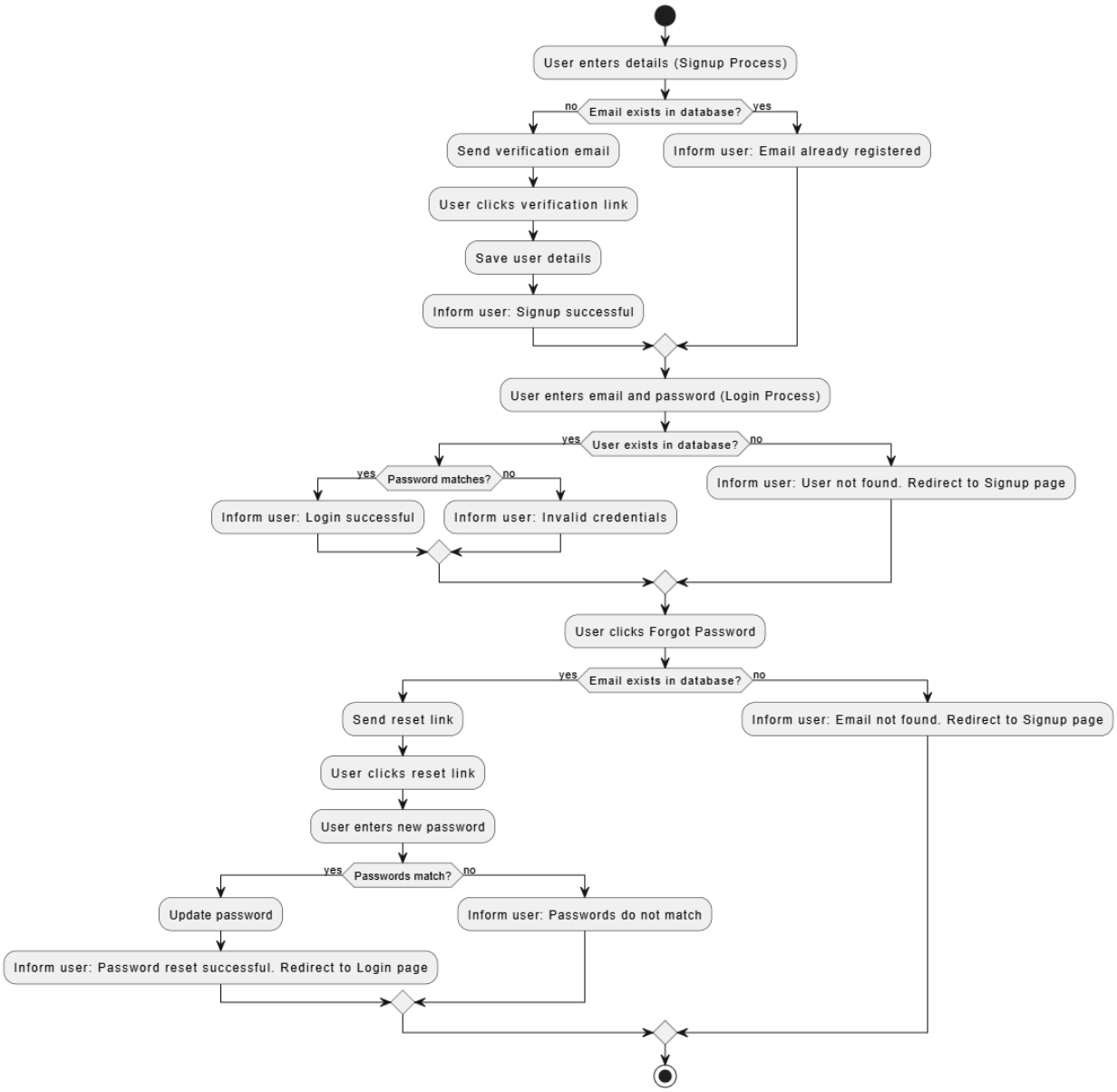
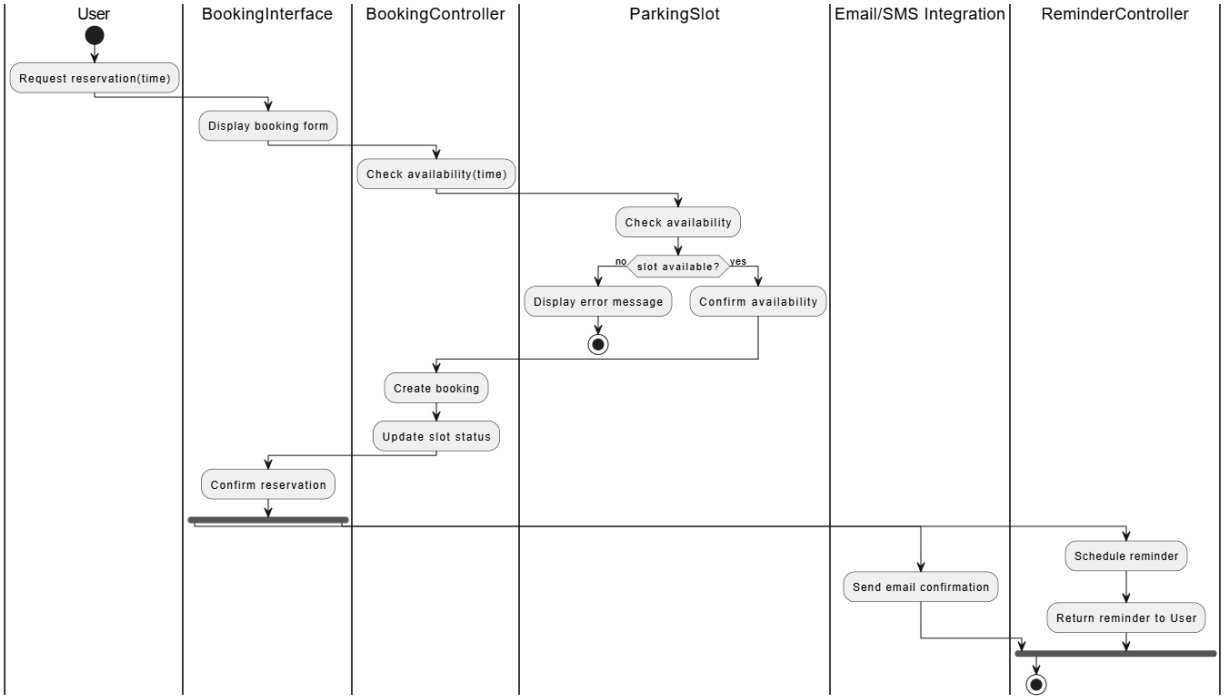
# Activity Diagrams

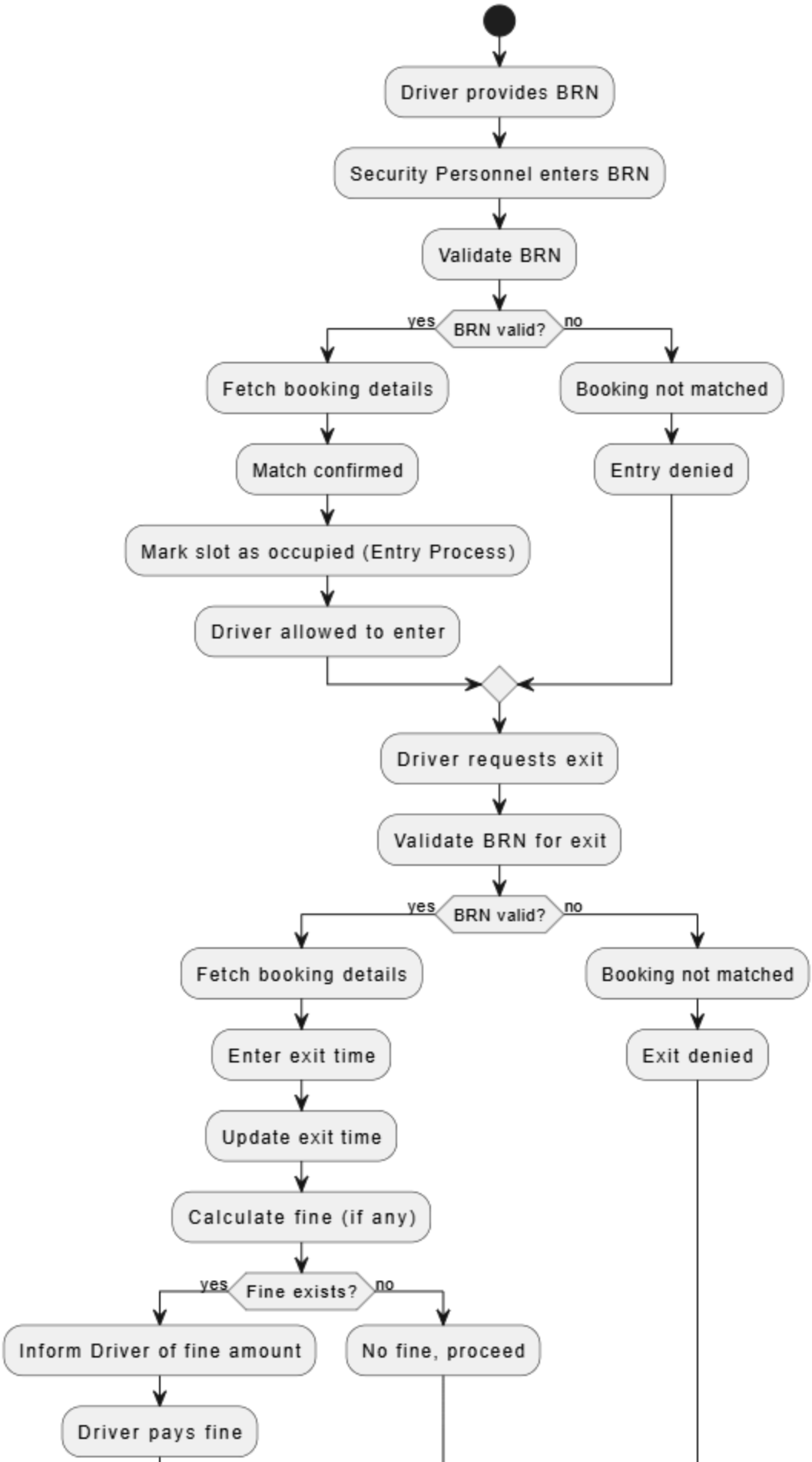
## Sprint 1: Set up a working environment, UI/UX, Login/Sign-Up



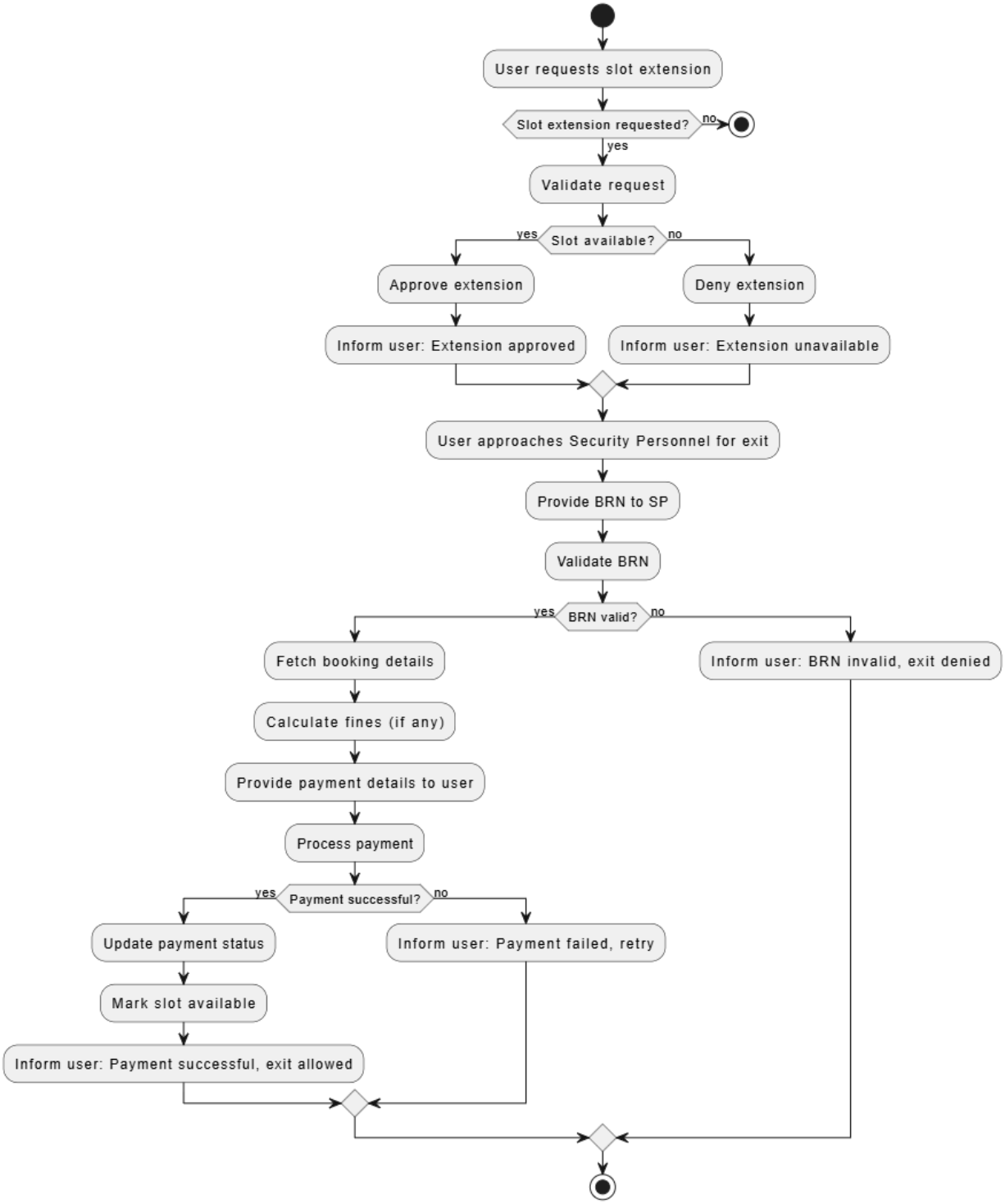
## Sprint 2: Booking and Reservation, Parking Instructions



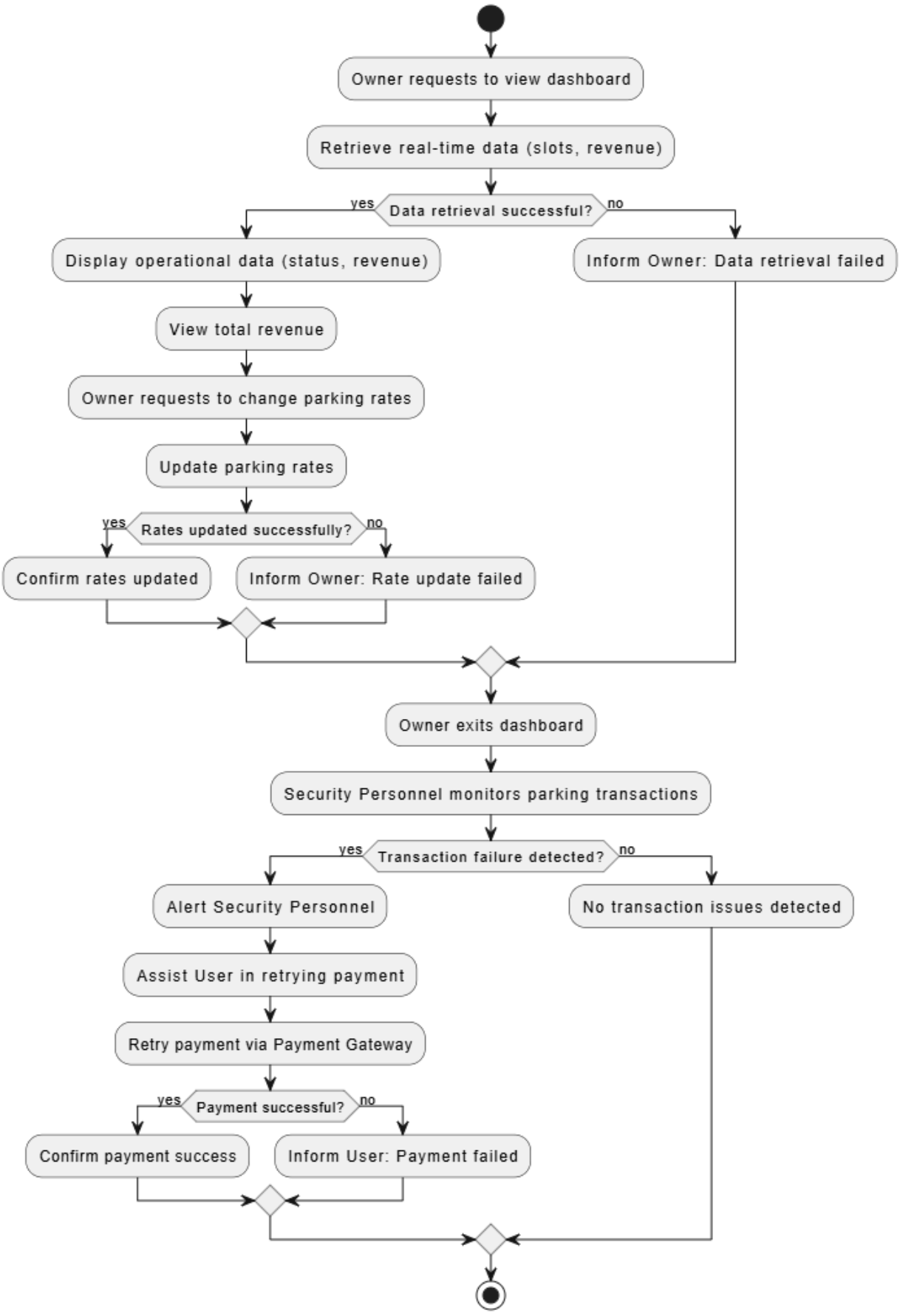

## Sprint 3: Entry and Exit Management, Notifications(Email/OTP inclusion)


Driver provides BRN
Security Personnel enters BRN
Validate BRN
BRN valid?
yes
no
Fetch booking details
Booking not matched
Match confirmed
Entry denied
Mark slot as occupied (Entry Process)
Driver allowed to enter
Driver requests exit
Validate BRN for exit
BRN valid?
yes
no
Fetch booking details
Booking not matched
Enter exit time
Exit denied
Update exit time
Calculate fine (if any)
Fine exists?
yes
no
Inform Driver of fine amount
No fine, proceed
Driver pays fine

## Sprint 4: Accessibility features for Disabled people, Slot extension and Payment Integration




## Sprint 5: Dashboard for Owners, Security Monitoring


Owner requests to view dashboard
Retrieve real-time data (slots, revenue)
Data retrieval successful?
yes
no
Display operational data (status, revenue)
Inform Owner: Data retrieval failed
View total revenue
Owner requests to change parking rates
Update parking rates
Rates updated successfully?
yes
no
Confirm rates updated
Inform Owner: Rate update failed
Owner exits dashboard
Security Personnel monitors parking transactions
Transaction failure detected?
yes
no
Alert Security Personnel
No transaction issues detected
Assist User in retrying payment
Retry payment via Payment Gateway
Payment successful?
yes
no
Confirm payment success
Inform User: Payment failed